

PAARA

Graphs

FEBRUARY 1989



Electronic — Flea — Market
at Foothill College!!!



THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION
AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

PAARA



1989 CLUB OFFICERS

President	Gerald Tucker	WA6LNV	326-4988
Vice-President	Andy Korsak	VE3FZK	366-5228
Secretary	Cap Stubbs	KJ6KV	323-5079
Treasurer	Lily Anne Hillis	N6PGM	325-5484
Trustee, W6OTX	Fred Canham	K6YT	948-9238
Property/Badges	Fred Canham	K6YT	948-9238
Refreshments/Co-Prop	John Buonocore	KD6ZL	366-1658
ARES Officer	Steve Stuntz	K6FS	322-4952
Club Historian			

BOARD of DIRECTORS

Gerry Wagstaffe	W6NIR	1989-90	325-4678
John Buonocore	KD6ZL	1989-90	366-9481
Bill McElhinney	KA6LZI	1989-90	325-9888
Ted Moran	KB6UDA	1989-90	325-9861
Dusty Doster	K6MPN	1988-89	368-8156
Steve Stuntz	K6FS	1988-89	322-4952
Chuck Johnson	nc	1988-89 (408)	251-8536

PAARAgaphs Staff

Editor	Chuck Johnson	nc (408)	251-8536
Advertising	Swede Swenson	N6CHL	368-8583
Mailing	Bill McElhinney	KA6LZI	325-9888

PAARA POLICIES

Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAgaphs. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

Club Net 147.45 MHz Mondays 8:30 PM

Meet on the first Friday of each Month at the Menlo Park Recreation Center at 7:30 PM,

Send PAARAGRAPHS correspondence to:

Chuck Johnson, EDITOR
3309 Mt. Logan Dr.
San Jose, CA 95127

VOLUME 32

FEBRUARY 1989

FROM THE EDITOR'S DESK

A MIXED PICTURE FOR THIS ISSUE. FIRST: WE LOOK FORWARD TO THE UP-COMING FLEA MARKET SEASON AT FOOTHILL COLLEGE, WHERE PAARA WILL HAVE A DATE (SLATED FOR APRIL 8TH). ALSO: WE REMEMBER OUR FRIEND JERRY WA6LIJ, SILENT KEY. LASTLY: YOUR EDITOR IS PLEASED TO REPORT THAT HIS DAYS AS AN SWL/NC ARE AT AN END, AND THAT THE SOUGHT AFTER CALL IS IN THE PIPE FROM FCC (TURTLE EXPRESS). -TIL NEXT MONTH, 73 DE YOUR EDITOR.

SPEAKER OF THE MONTH

WA6LXK = ROBERT E. OGBURN
FROM HALTED... BOB IS A COLLECTOR
OF OLDE MILITARY RADIOS & WON'T BE
BRINGING ANY IN FOR OUR INSPECTION
(DUE TO POSSIBLE HERNIAS). TOPIC:
"MILITARY RADIO AS IT RELATES TO HAM
RADIO & HAM RADIO AS IT RELATES TO
MILITARY ASSISTANCE"... DON'T MISS
THIS OVERVIEW OF AN IMPORTANT TOPIC!
DINNER WITH SPEAKER: SU HONG'S, EL
CAMINO OFF RAVENSWOOD, MENLO PARK,
5:45 PM OF MEETING FRIDAY FEB 3RD!

-- QST DE ANDY VE3FZK PROGRAM
CHAIRMAN.

PRESIDENT'S COLUMN

QST QST

PLEASE CONTRIBUTE SOME SUGGESTIONS FOR THIS YEAR'S SPEAKERS. TALK TO MEMBERS OF OTHER CLUBS & GET SOME IDEAS, THEN PASS THEM ON TO ANDY VE3FZK OR MYSELF. IS IT POSSIBLE THAT MARCH IS ONLY A MONTH AWAY? THAT MEANS FLEA MARKET TIME. WILL WE EVER GET SATISFIED? ELSEWHERE IN THIS ISSUE YOU SHOULD FIND AN OUTLINE OF THE YEAR'S PAARA ACTIVITIES. AS YOU CAN SEE WE WILL HAVE NO TROUBLE FILLING OUR SPARE TIME WITH AMATEUR RADIO. A POLL WAS TAKEN AT THE JANUARY MEETING REGARDING INTEREST IN A MEETING NIGHT VISIT TO THE F.A.A. CONTROL CENTER (FREMONT) AND THE RESPONSE WAS QUITE POSITIVE. THIS REQUIRES A LITTLE PREPARATION, SO IF YOU'RE INTERESTED TALK TO ANDY VE3FZK. THE HOLIDAY SEASON WAS SADDENED BY THE PASSING OF JERRY WA6LIJ. JERRY WAS MOST RECENTLY ACTIVE IN HIS CONTRIBUTION TO THE VETERANS HOSPITAL BLIND CENTER, WHICH WAS TYPICAL OF HOW HE DISTRIBUTED HIS HAM RADIO TALENTS TO THE COMMUNITY. ON A LIGHTER NOTE, LET'S COMPLIMENT OUR EDITOR ON HIS OFFICIALLY ENTERING THE RANKS OF HAM RADIO!

de WA6LNV

PRESIDENT'S

CORNER (2)

(ADDENDUM TO PRESIDENT'S CORNER...)

PAARA CALENDAR OF ACTIVITIES - 1989

FEB. 3: GEN. MEETING

MAR. 3 GEN. MEETING

MAR. 11: 1ST FOOTHILL FLEA MKT. EMARC

APR. 7: GEN. MEETING

✓ APR. 8: 2ND FOOTHILL FLEA MKT. PAARA

MAY 5: GEN. MEETING

MAY 13 : 3RD FOOTHILL FLEA MKT.

FARS

MAY 20: SPRING PICNIC, W6VG QTH

JUNE 2: GEN. MEETING

JUNE 10: 4TH FOOTHILL FLEA MKT. PERHAM

JUNE 23-25: FIELD DAY

JULY 7: GEN. MEETING

JULY 8: 5TH FOOTHILL FLEA MKT. SPECS USERS

AUG. 4 : GEN, MEETING

AUG. 12: 6TH FOOTHILL FLEA MKT. RED CROSS

SEP. 8: GEN. MEETING

SEP. 9: 7TH FOOTHILL FLEA MKT. SPECS

(LAST OF 1989 SEASON)

OCT. 6: GEN. MEETING

OCT. 14: PAARA AMPEX AUCTION

NOV. 3: GEN. MEETING (NOMINATIONS)

DEC. 1: GEN. MEETING (ELECTIONS)

DEC. 11: CHRISTMAS DINNER

(INSTALLATIONS)

(FLEA MARKET INFO TNX TO SY WA6ROM. -ED.)

PAARA BRIEFS

YOUR EDITOR TAKES THIS OPPORTUNITY TO
THANK CRAIG (N6ITW) & VAL SMITH FOR
THEIR GRACIOUS HOSPITALITY OVER THE
HOLIDAYS!!! -ED.

TERRY CONBOY N6RY (MILL CREEK, WA)
REPORTS HE HAS BEEN VERY BUSY IN
CELLULAR ENGINEERING. HIS HAM
ACTIVITIES ARE LIMITED TNX TO ANTENNA
RULES. EXCEPTION IS PACKET: N6RY @
WOLVJ. UNIX AT ...!uw-beaver!tikal!mc
gp1!tac MCI: "McCaw Engineering". WORK
PH: (206)828-1309 HOME: (206)337-1620. -de
N6RY

SEE MAR/APR CALENDARS HEREIN. -ED.

HOW I WILL REMEMBER JERRY STARKEY
WA6LIJ.

IT WAS JERRY LIJ WHO POINTED ME IN
THE DIRECTION OF PAARA DURING A
VISIT MY FATHER & I MADE TO THE
FOOTHILL ELECTRONICS MUSEUM ON
29 MARCH 1987, SUNDAY AFTERNOON.
IT WAS HE WHO INTRODUCED ME TO
THE CLUB IN APRIL 1987. HE WAS
COMMITTED TO HIS STEADFAST BELIEFS
& APPROACHES TO MANAGEMENT; HE
ALWAYS HAD THE BEST INTERESTS OF
THE CLUB AT HEART; AND HE WAS READY
TO SPEAK HIS MIND WHEN HE THOUGHT
IT NECESSARY. I REMEMBER HIM AS A
KIND, CONCERNED, HELPFUL INDIVIDUAL
DEDICATED TO THE AMATEUR SERVICE, AND
HIS MANY FRIENDS IN PAARA & ELSEWHERE.
I SHALL MISS HIM. --ED. C.

LAND OF THE VIKINGS



AND THE MIDNIGHT SUN

LA3FL

Per A. Mikalsen, P.O.Box 248, N-9501 Alta, Norway

70°N - 23°E

RADIO	Day	Month	Year	UTC
W6ARA	13	SEP	1983	—
MHz	2way	RST		
1,8 - 3,5 - 7,0 - 10,0 - 14,0	CW <input type="checkbox"/>	—		
19,0 - 21,0 - 24,0 - 28,0	SSB <input type="checkbox"/>			
	RTTY <input type="checkbox"/>			

Rig:

COLLINS S-LINE ☐
 DRAKETH LINE ☐
 ICOM 726a LINE ☐

Antenna:

5 ele Yagi ☐
 Dipole ☐
 Vertical ☐

North of the Arctic Circle
 Y for WALA



Remarks

Dear Jerome. This is a sample of my
 "home-QSL" Hpe QSO u soon TNX QSL PLS, 73 da Per

HAMS WALK PLANK IN NASSAU--NO MORE MM
 MUST DO DX AT HOME INSTEAD +++VIA W6NIR

FROM THE "OLD" QSL DE LA3FL

THE CHANGEOVER IN REGISTRY OF A WELL KNOWN NORWEGIAN CRUISE SHIP HAS RESULTED IN THE BANISHMENT OF THE HAM STATION THAT HAD BEEN ABOARD. THE NORWEGIAN LECK CALL IS NOW C6CN4 UNDER NASSAU/BAHAMAS CONTROL-- AND SHIPBOARD HAMMING ON THE "ROYAL VIKING SEA" IS DONE FOR. BUT THIS HAS NOT DETERRED THE INTREPID PER A. MIKALSEN LA3FL IN HIS ALTA, NORWAY HAM PURSUITS. PER, RADIO OFFICER ON THE "RVS" MUST NOW RESORT TO LANDBOUND DX FROM NORWAY. (SEE LA3FL QSL ABOVE.) THIS OLD SALT WAS FEATURED IN A SPECIAL SERIES IN THIS JOURNAL SOME YEARS BACK WRITTEN BY W6ARA JERRY ZOBEL, WHEN "WORKING THE CRUISE SHIP HAM" EVEN GOT YOU AN AWARD! NOW IT IS A THING OF THE PAST, AND IT WAS FOR PER HIMSELF TO GO HUNTING FROM NORWAY (AWAY FROM SHIP ON VACATION AT HOME) IN JANUARY FOR PAARA CONTACTS INSTEAD. PER WAS ON 14217 + OR - 5 SSB ALL JANUARY AT 1600 ZULU. PER'S NORWEGIAN BUDDY LA8PF, CW MAN, ALSO WAS IN ACTION ON 14027.8 SO, DESPITE THE UNHAPPY REMOVAL OF THE SHIPBOARD HAM STATION, PER MIKALSEN LA3FL WAS NONETHELESS INTENT ON HIS PAARA CONTACTS (FORGED BY JERRY W6ARA AND GERRY W6NIR). FINE BUSINESS! -ED

PER A MIKALSEN LA3FL MM
 M/S ROYAL VIKING SEA
 P.O. BOX 1617
 WKA OSLO 1, NORWAY

Gerald Starkey, engineer

Services were Tuesday in Palo Alto for Gerald Edsel Starkey, 63, who retired as a Santa Clara County environmental engineer in 1984.

Mr. Starkey, who served 14 years as a noise consultant to the county health department, died at his Los Altos home Thursday of complications

signment, from 1968 until his retirement in 1970, was at Onizuka Air Force Base, the Air Force's satellite test center in Sunnyvale.

He received a master's degree in civil engineering in the early 1970s from San Jose State University.

Mr. Starkey developed an interest in ham radio during the 1950s and was the president of the Foothill Amateur Radio Society. He held an extra class amateur radio license, WA6LIJ.

He was also a member of the Palo Alto Amateur Radio Association, Southern Peninsula Emergency Communications Systems Users



Gerald Starkey

from diabetes.

Mr. Starkey held degrees in mechanical, civil and metallurgical engineering.

Mr. Starkey was born in Elyria, Ohio, and attended school in Cleveland. After a semester of engineering studies at Case Western Reserve University, he joined the U.S. Navy.

During World War II, he served as a machinist's mate aboard a large amphibious landing craft at Leyte Gulf that hauled troops and cargo for the invasion of the Philippines.

He returned to college after the war, at Ohio State University in Columbus, enrolling at the same time in the Air Force Reserve Officers Training Corps. Upon completion of his engineering studies at Ohio State in 1951, he was commissioned a second lieutenant in the U.S. Air Force. He was a member of Tau Beta Pi at Ohio State.

Mr. Starkey's last military as-

Group, Southern Peninsula Emergency Communications Systems Repeater Association and the Northern California DX Club.

He is survived by his wife of 41 years, Marian M. Starkey of Los Altos; brothers Ralph Starkey of Alabama and Allen Starkey of Salinas; a son, Fred A.L. Starkey of Fremont; a daughter, Cynthia G. Starkey of Santa Clara; and two grandchildren.

(VIA FRED K6YT.

TNX FRED, ED.)

C.

WA6LIJ Estate (George K6OG, (415) 941-0299

1. 51' Crank-up self supporting tower, TRI-EX
W-51, W/ Base, Rotor Plate, Thrust Bearing,
2"x15' Mast, Co-ax Stand-offs, Drill Motor
Raising Hoist & Motor, & Eng Calcs \$975.
2. 25' Crank-up self supporting tower, TRI-EX
W-25, (3-10' Sections) \$250.
3. 80' Sectional Guyed Tower, TRI-EX "10 Series"
(1-10' Top Sect., 6-10' & 2-8' Straight Sect)
14" Face. \$175.
4. 40 Meter Beam, Two Element Yagi, KLM Model
7.2-2. \$195.
5. HF Linear Amplifier, ETO "ALPHA 76PA", 2.5KW+
Input, (3 Tube Model) 160 thru 10. \$1595.
6. HF Linear Amplifier, SWAN MARK II, 2KW Input,
80 thru 10 meters. \$395.
7. HF Linear Amplifier, YEASU FL-2100, 1.2 KW
Input, 80 thru 10 meters. \$325.
8. 13.8VDC, 20A, Power Supply, KENWOOD PS-30,
(Powers TS-120/130/140/430/440/680) \$125.
9. 13.8VDC, 10A, Power Supply, Heath HP-1175
\$35.
10. 2 Meter Transceiver, Heath HW-2036,
(Synthesized) W/ Power Supply \$100.
11. 2 Meter Hand-held Transceiver, 5 Watt,
5 Channel, WILSON T-1405 W/ Drop-in
Charger & Speaker Mic. \$60.
12. 2 Meter Amp., KLM 10-70E (10 In-70 Out) \$50.
13. 2 Meter Amp., Heath HA-201A (2in-10out) \$20.
14. 2 Meter Beam Ant., 8 Element Yagi \$25.
15. 2 Meter J-Pole Ant. KLM JV-2 \$20.

WA6LIJ Estate (George K6OG (415) 941-0299)

16. Generator, 400 Watt, 120 VAC, HONDA
EM-400 \$200.
17. Wattmeter/Dummy Load, B&W #334A,
10/100/300/1000 Watt Scales \$100.
18. HF Watt/SWR Meter, SWAN WN-3000,
2Kw Peak & RMS Reading. \$50.
19. HF Watt/SWR Meter Heath HM-102
200/2000 Watt Scale \$25.
20. VHF Watt/SWR Meter, Heath HW-2102
25/250 Watt Scale \$25.
21. HF Pre-Amplifier, AMECT "PT",
Transceiver Type \$30.
22. Electronic Memory Keyer, AUTEK PK-1 \$50.
23. Electronic Keyer with Built-in Paddle,
Heath HD-1410. \$40.
24. Hand Microphone with Up/Dwn Keys &
8 Pin Plug, KENWOOD MC-42S \$25.
25. Antenna Rotator, CDE HAM-III \$150.
26. Hammerlund Speaker, 180 Style. \$20.
27. Line Voltage Monitor Kit, Heath
IM-2203 \$30.
28. Line Voltage Meter, 100-140 VAC,
RCA \$15.
29. VTVM Test Meter, Bench Type, Heath
IM-13 \$10.
30. Microphone, Shure Model 450 Magnetic
Desk Type, Dual Impedance. \$25.
31. Boom Mic/Headphones for 2 Meter Hand-
helds, ICOM HS-10 & HS-10SB Switch \$30.

March 1989



BLOODSTONE














JONQUIL

FEBRUARY 1989

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

APRIL 1989

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

SUN	MON	TUE	WED	THU	FRI	SAT
 NEW MOON 7 5 BOSTON MASSACRE 1770	6 FIRST QUARTER 14	7 FULL MOON 22	1 8 PAARA BD. MEETING	2 9  MONITOR VS. MERRIMAC 1862	3 PAARA REG. MEETING	 4 1ST CONSTITUTIONAL CONGRESS
 12 GIRL SCOUTS FOUNDED 1912	13 18	14 15  ANDREW JACKSON 1767	8 15  ANDREW JACKSON 1767	16 17  ST. PATRICK'S DAY	10 17  1ST TELEPHONE USED	11 18 FOOHILL FLEA MKT. !
 19 GIRL SCOUTS FOUNDED 1912	 20 1ST DAY SPRING	21 22 23	22 23 24 25 26 27 28 29 30 31	23 24 25 26 27 28 29 30 31	24 25 26 27 28 29 30 31	25 26 27 28 29 30 31
 26 EASTER	27 28 29 30 31	28 29 30 31	29 30 31	30 31	31	31

April 1989



DIAMOND

MARCH 1989
SUN MON TUE WED THU FRI SAT
1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31



SWEET PEA

MAY 1989
SUN MON TUE WED THU FRI SAT
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31

SUN	MON	TUE	WED	THU	FRI	SAT
NEW MOON 6	FIRST QUARTER 12	FULL MOON 21	LAST QUARTER 28			ALL FOOL'S DAY
2	3	4	5	6	7	8 PAARA FOOTHILL FLEA MKT.!
9	10	11	12 PAARA BD. MEETING	13 THOS. JEFFERSON	14	15
16	17	18	19 PATRIOT'S DAY	20 BEGINNING OF PASSOVER	21	22
23 30	24	25	26	27 END OF PASSOVER	28 JAMES MONROE 1758	29

WORLDWIDE DISTRIBUTION



HAM RADIO OUTLET

LARGEST HAM OUTLET IN THE WORLD

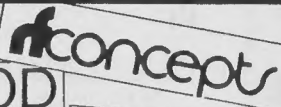
FREE SHIPMENT
MOST ITEMS UPS SURFACE

7

STORE BUYING POWER



KENWOOD



HRO FULL LINE
ACCESSORIES

ICOM

NOW! RAPID DELIVERIES

COAST
TO COAST

...America's Best!

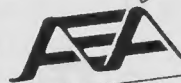
TEN-TEC

GEOCHRON
GLOBAL
TIME
INDICATOR

FROM STORE NEAREST YOU
LOW, LOW PRICE

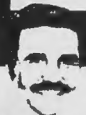


YAESU



Advanced
Electronic
Applications

All Major Brands in Stock Now!



Bob Ferrero W6RJ
President
Jim Raftery N6RJ
VP-Sr. Calif. Div.
Anaheim Mgr.

ANAHEIM, CA 92801
2820 W. La Palma
17111-351 3033 12131 860 2040
Between Disneyland &
Knolls Berry Farm

ATLANTA, GA 30340
6011 Buford Hwy
+404 263 0700
Larry Mgr. W044GW
Doraville 1 mile north of I. 785

BURLINGAME, CA 94010
999 Howard Ave
14151 342 5757
George Mgr. W86DSV
5 miles south on 101 from SFO

OAKLAND, CA 94606
2210 Livingston St.
14151 534 5757
Al Mgr. W465YK
176 20th Ave. 1155 16th Ave

PHOENIX, AZ 85015
1702 W. Camelback Rd
+602 242 3315
Boo Mgr. K7RDM
East of Hwy 17

SAN DIEGO, CA 92123
5375 Acacia Villa Rd
619 560 4500
Tom Mgr. KM6K
Hwy. 163 & Claremont Mesa Blvd

VAN NUYS, CA 91411
6265 Sepulveda Blvd
18181 388 2212
Al Mgr. K8Y4A
San Diego Hwy
at Victory Blvd

STORE HOURS
10 AM-5:30 PM
CLOSED SUNDAYS



CALL TOLL FREE (800) 854-6046

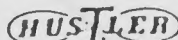
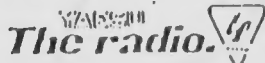
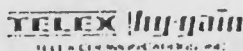


Toll free including Hawaii. Phone hrs: 7:00 am to 5:30 p.m. Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona and Georgia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.



ELECTRONICS FOR HOME OR WORK . . .
YOU NAME IT . . . WE'VE GOT IT!

QUEMENT IS THE PLACE!

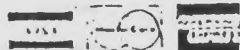


QUEMENT ELECTRONICS



1000 SO. BASCOM, SAN JOSE

998-5900 • Open Mon.-Sat. 9-6



• ANTENNAS • HAM GEAR • CITIZEN'S BAND • COMMERCIAL AND INDUSTRIAL
PARTS SUPPLY • SERVICE DEPARTMENT • COMPUTERS AND SOFTWARE
• COMPLETE STEREO HI/FI DEPARTMENT.

PARA
P.O. Box 911
Menlo Park
Ca. 94026



Radio
Our
At
Report
Xmit
From
Ant
Remarks

Miners are Super



Korsak, Andy
504 Lakewood Way
Redwood City CA 94062
VE3FZK

First Class Mail